

HYDROLOGICAL MEASUREMENTS

by

Artemis Achilleos

Project Report

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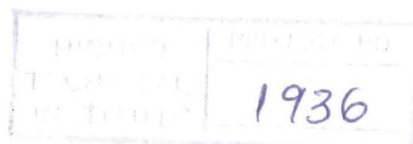
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Evaporation measurements were made for this purpose. The experimental data on the equipment were given in a detail report was made on a separate lead application. This was considered necessary the theoretical guidelines for the appropriate soil to be placed in the apparatus. The evaporation samples from the soil were taken along with the data.

## S u m m a r y

The purpose of this project was :

- (1) To investigate and report on the operation and application of Lysimeters.
- (2) To explain and report on evapotranspiration methods , and equipment used.
- (3) To investigate the type of soils applicable for use in Lysimeters.
- (4) To supervise and report on the initial operation of Lysimeters.

Lysimetry in general was studied as well as the existing lysimetric station and its proposed application. New drawings of the existing station were produced because changes on the original were decided.

Evapotranspiration measurements theory , and equipment used for this purpose were reported partly in chapter 1. The details on the equipment were given in appendix B. Moreover a detail report was made on wastewater reuse in the form of land application. This was considered necessary for obtaining the theoretical guidelines for the selection of the appropriate soil to be placed in the Lysimeters. During the investigation samples from four areas were taken and conclusions were drawn.

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